Attachment 8. Quality Assurance

Preparation of a Salt and Nutrient Management Plan for the Northern Cities Management Area and the Nipomo Mesa Management Area of the Santa Maria Groundwater Basin

City of Arroyo Grande

July 13, 2012

Attachment 8.   Quality Assurance

Quality Assurance Program

The Quality Assurance/Quality Control (QA/QC) Program for the Project includes scheduled reviews of work by the stakeholders and technical QA/QC by the consultant.

The Project will be completed by a qualified consultant(s), as described in Attachment 4 of this 2012 LGA Grant application. The consultant(s) will have experience in the development of SNMPs and will understand the hydrologic and hydrogeologic characteristics of the Basin. The consultant(s) will carry out the tasks described in the work plan included in Attachment 5 of this 2012 LGA Grant application; integrated in these tasks are specific QA/QC measures. In addition, the consultant(s) will utilize senior engineers to perform internal QA/QC throughout the Project.

QA/QC measures and activities include:
- Consultant(s) will perform QA/QC of Basin Characterization and GIS Database, and the Steering Committee will review (Task 2)
- Consultant(s) will perform cross checking among data sources and sensitivity analysis when gaps in data exist (Task 2)
- Consultant(s) will utilize mass balance analyses and water quality data to perform QA/QC on estimates of salt and nutrient loading and assimilative capacity analysis (Task 3 & 4)
- Stakeholders will review draft implementation measures, goals, and objectives, and implementation factors (Task 5)
- Stakeholders will review draft groundwater monitoring program (Task 6)
- A Professional Engineer working for the Consultant(s) will review all analyses and deliverables, including the final Salt and Nutrient Management Plan (Task 7)
- Designated representatives from the stakeholders agencies will provide detailed technical review of all deliverables
- Consultant will brief the WRAC on the development of the SNMP
- Stakeholder comments will be collected and addressed after the review of each draft deliverable